

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Global Solar Radiation on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Instrument: Eppley PSP**  
**Watt-Hours per Square Meter**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	48	?	226 ?	327 ?	212	287	457 ?	412 ?	330 ?	227 ?	66 ?	16	0	0	0	0	0	0	2608 ?
2	0	0	0	0	0	0	37	116	283	302 ?	503 ?	450 ?	267 ?	293 ?	?	?	?	37	0	0	0	0	0	0	2287 ?
3	0	0	0	0	0	0	41	?	476 ?	611	750	833	811	678	594	417	190	42	0	0	0	0	0	0	5442 ?
4	0	0	0	0	0	0	19	107	234	259	428	635	768	665	560	360	161	31	0	0	0	0	0	0	4226
5	0	0	0	0	0	0	27	113	310	459	372	648	472	661	408	292	153	23	0	0	0	0	0	0	3938
6	0	0	0	0	0	0	44	192	357	559	626	627	735	435	460	309	108	12	0	0	0	0	0	0	4464
7	0	0	0	0	0	0	21	121	279	398	460	614	633	639	502	216	69	21	0	0	0	0	0	0	3975
8	0	0	0	0	0	0	39	167	300	441	454	501	513	391	239	132	51	5	0	0	0	0	0	0	3232
9	0	0	0	0	0	0	22	72	65	312	366	304	393	342	221	225	75	16	0	0	0	0	0	0	2413
10	0	0	0	0	0	0	4	26 ?	41	73	64	81	73	137	76	57	17 ?	3	0	0	0	0	0	0	652
11	0	0	0	0	0	0	11	52	53	67	70	67	57 ?	100	124	54 ?	17	2	0	0	0	0	0	0	673
12	0	0	0	0	0	0	29	150	311	483	649	731	694	635	508	339	140	20	0	0	0	0	0	0	4689
13	0	0	0	0	0	0	34	164	351	515	635	700	696	623	493	320	117	6	0	0	0	0	0	0	4653
14	0	0	0	0	0	0	19	45	123	130	174	182	115	102	103	58	28	5	0	0	0	0	0	0	1083
15	0	0	0	0	0	0	35	?	?	?	?	?	?	?	?	?	84 ?	21	0	0	0	0	0	0	140 ?
16	0	0	0	0	0	0	38	106 ?	?	?	?	?	?	?	?	?	78 ?	17	0	0	0	0	0	0	239 ?
17	0	0	0	0	0	0	29	91 ?	?	?	?	?	?	?	?	?	47 ?	5	0	0	0	0	0	0	171 ?
18	0	0	0	0	0	0	11	103	222 ?	?	370 ?	?	?	?	?	?	76 ?	17	0	0	0	0	0	0	799 ?
19	0	0	0	0	0	0	31	88 ?	?	?	?	?	?	?	?	?	66 ?	11	0	0	0	0	0	0	197 ?
20	0	0	0	0	0	0	28	82 ?	?	?	?	?	?	?	209 ?	157 ?	66 ?	15	0	0	0	0	0	0	557 ?
21	0	0	0	0	0	0	27	92 ?	?	359 ?	?	?	?	?	184 ?	151 ?	39	4	0	0	0	0	0	0	857 ?
22	0	0	0	0	0	0	22	80 ?	228 ?	289	332 ?	305 ?	331	252 ?	194 ?	113 ?	62 ?	3	0	0	0	0	0	0	2211 ?
23	0	0	0	0	0	0	39	107 ?	?	?	257 ?	335 ?	266 ?	237 ?	213 ?	?	61 ?	8	0	0	0	0	0	0	1524 ?
24	0	0	0	0	0	0	26	84 ?	?	?	?	?	?	?	?	?	96	9	0	0	0	0	0	0	216 ?
25	0	0	0	0	0	0	12	82 ?	164	238	191	123	111	79	49	33 ?	16	0	0	0	0	0	0	0	1098
26	0	0	0	0	0	0	6	26	48	75	125	95	89	112	235	119	36	1	0	0	0	0	0	0	967
27	0	0	0	0	0	0	5	21	49	107	142	254	199	253	92	66	14	0	0	0	0	0	0	0	1202
28	0	0	0	0	0	0	5	28	54	93	239	272	109	79	54	29 ?	7 ?	0	0	0	0	0	0	0	969
29	0	0	0	0	0	0	6	17	107	149 ?	?	?	?	558 ?	431	217	72	3	0	0	0	0	0	0	1560 ?
30	0	0	0	0	0	0	21	81 ?	?	?	?	?	?	?	?	?	58 ?	2	0	0	0	0	0	0	161 ?
31	0	0	0	0	0	0	26	46 ?	?	?	?	?	?	?	?	?	59	0	0	0	0	0	0	0	131 ?
Avg	0	0	0	0	0	0	25	88	204	297	353	402	389	366	285	185	71	11	0	0	0	0	0	0	1849 ?
S D	0	0	0	0	0	0	13	46	127	173	201	242	263	224	178	119	46	11	0	0	0	0	0	0	1661
S/A	0	0	0	0	0	0	0.51	0.52	0.62	0.58	0.57	0.6	0.68	0.61	0.62	0.64	0.64	0.97	0	0	0	0	0	0	0.9
Min	0	0	0	0	0	0	4	17	41	67	64	67	57	79	49	29	7	0	0	0	0	0	0	0	131
Max	0	0	0	0	0	0	48	192	476	611	750	833	811	678	594	417	190	42	0	0	0	0	0	0	5442
n	0	0	0	0	0	0	297	237	216	218	215	220	212	219	226	206	301	153	0	0	0	0	0	0	2729

Daylight Data Recovery: 0.0% missing; 34.6% exceed the 15% QC threshold -- 4172 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25823F3    Calibration Factor: 9.830 μV/W/m<sup>2</sup>    Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

October 2003

Direct Normal Solar Radiation  
 Hourly Integrated and Daily Totals  
 Instrument: Eppley NIP  
 Watt-Hours per Square Meter

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	40	?	17?	8?	0	2	12?	12?	19?	4?	5?	0	0	0	0	0	0	0	119?
2	0	0	0	0	0	0	6	2	14	7?	10?	10?	5?	7?	?	?	?	6	0	0	0	0	0	0	69?
3	0	0	0	0	0	0	27	?	831?	870	885	895	888	774	786	762	506	159	0	0	0	0	0	0	7382?
4	0	0	0	0	0	0	3	28	110	22	162	519	803	659	752	587	393	112	0	0	0	0	0	0	4150
5	0	0	0	0	0	0	29	88	279	464	75	404	285	649	320	323	184	5	0	0	0	0	0	0	3104
6	0	0	0	0	0	0	205	442	527	696	484	368	758	335	419	336	108	4	0	0	0	0	0	0	4682
7	0	0	0	0	0	0	1	128	116	294	73	207	263	519	459	179	26	0	0	0	0	0	0	0	2264
8	0	0	0	0	0	0	113	137	232	218	250	179	181	89	17	0	0	0	0	0	0	0	0	0	1415
9	0	0	0	0	0	0	7	1	0	66	102	23	95	14	27	87	2	2	0	0	0	0	0	0	425
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	4
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	36	298	436	789	805	719	706	726	683	502	174	0	0	0	0	0	0	5874
13	0	0	0	0	0	0	114	350	529	616	669	701	708	696	664	577	318	11	0	0	0	0	0	0	5953
14	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
15	0	0	0	0	0	0	0	?	?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	0?
16	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	2?
17	0	0	0	0	0	0	0	0?	?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	1?
18	0	0	0	0	0	0	0	0	0?	?	0?	?	?	?	?	?	0?	0	0	0	0	0	0	0	1?
19	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	3?
20	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	0?	0?	0?	0	0	0	0	0	0	0	2?
21	0	0	0	0	0	0	0	0?	?	0?	?	?	?	?	0?	0?	0	0	0	0	0	0	0	0	0?
22	0	0	0	0	0	0	0	0?	0?	0	0?	0?	0	0?	0?	0?	0?	0	0	0	0	0	0	0	0?
23	0	0	0	0	0	0	1	0?	?	?	0?	0?	0?	0?	0?	?	0?	0	0	0	0	0	0	0	1?
24	0	0	0	0	0	0	1	1?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	2?
25	0	0	0	0	0	0	0	0?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	0?	?	?	?	0?	0	0	0	0	0	0	0	0	0	0	1?
30	0	0	0	0	0	0	1	2?	?	?	?	?	?	?	?	?	0?	0	0	0	0	0	0	0	3?
31	0	0	0	0	0	0	1	0?	?	?	?	?	?	?	?	?	0	0	0	0	0	0	0	0	1?
Avg	0	0	0	0	0	0	18	44	141	176	167	206	236	212	190	168	68	15	0	0	0	0	0	0	1144?
SD	0	0	0	0	0	0	45	107	232	275	284	302	333	307	296	263	152	45	0	0	0	0	0	0	2160
S/A	0	0	0	0	0	0	2.52	2.45	1.65	1.56	1.7	1.47	1.41	1.44	1.56	1.56	2.23	2.94	0	0	0	0	0	0	1.89
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	205	442	831	870	885	895	888	774	786	762	506	174	0	0	0	0	0	0	7382
n	0	0	0	0	0	0	297	245	220	218	217	220	220	219	226	219	311	153	0	0	0	0	0	0	2774

Daylight Data Recovery: 0.0% missing; 33.5% exceed the 15% QC threshold -- 4172 total daylight measurements.

Instrument: Eppley NIP Serial Number: 25519E6 Calibration Factor: 7.533 μV/W/m² Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Diffuse Solar Radiation (Shadow Band) on a Horizontal Surface**  
**Hourly Integrated and Daily Totals**  
**Instrument: Eppley PSP**  
**Watt-Hours per Square Meter**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0	0	0	23	?	196 ?	302 ?	220	291	406 ?	360 ?	227 ?	198 ?	57 ?	16	0	0	0	0	0	0	2297 ?
2	0	0	0	0	0	0	34	113	230	264 ?	412 ?	369 ?	236 ?	227 ?	?	?	?	16	0	0	0	0	0	0	1900 ?
3	0	0	0	0	0	0	18	?	51 ?	54	74	96	76	82	92	65	47	24	0	0	0	0	0	0	679 ?
4	0	0	0	0	0	0	18	96	177	246	294	189	108	159	84	84	54	19	0	0	0	0	0	0	1528
5	0	0	0	0	0	0	26	93	168	165	301	283	234	172	196	139	96	22	0	0	0	0	0	0	1895
6	0	0	0	0	0	0	23	77	104	117	239	277	118	168	198	145	74	12	0	0	0	0	0	0	1552
7	0	0	0	0	0	0	22	77	216	200	384	404	372	240	218	127	65	22	0	0	0	0	0	0	2347
8	0	0	0	0	0	0	25	118	181	282	241	329	343	309	221	135	53	5	0	0	0	0	0	0	2242
9	0	0	0	0	0	0	23	72	68	264	283	285	303	327	202	179	75	16	0	0	0	0	0	0	2098
10	0	0	0	0	0	0	4	24	40	77	65	85	71	142	80	60	16	3	0	0	0	0	0	0	668
11	0	0	0	0	0	0	12	54	55	69	72	70	56	104	127	48	17	2	0	0	0	0	0	0	685
12	0	0	0	0	0	0	29	136	171	185	79	98	125	126	82	53	32	7	0	0	0	0	0	0	1123
13	0	0	0	0	0	0	27	77	113	138	148	147	141	126	104	76	42	5	0	0	0	0	0	0	1144
14	0	0	0	0	0	0	19	47	126	131	179	189	119	105	106	53	26	5	0	0	0	0	0	0	1106
15	0	0	0	0	0	0	16	?	?	?	?	?	?	?	?	?	20 ?	7	0	0	0	0	0	0	43 ?
16	0	0	0	0	0	0	16	29 ?	?	?	?	?	?	?	?	?	21 ?	6	0	0	0	0	0	0	71 ?
17	0	0	0	0	0	0	17	34 ?	?	?	?	?	?	?	?	?	39 ?	4	0	0	0	0	0	0	94 ?
18	0	0	0	0	0	0	11	92	190 ?	?	293 ?	?	?	?	?	?	21 ?	6	0	0	0	0	0	0	615 ?
19	0	0	0	0	0	0	16	30 ?	?	?	?	?	?	?	?	?	20 ?	4	0	0	0	0	0	0	70 ?
20	0	0	0	0	0	0	19	35 ?	?	?	?	?	?	?	152 ?	105 ?	39 ?	10	0	0	0	0	0	0	361 ?
21	0	0	0	0	0	0	17	41 ?	?	253 ?	?	?	?	?	126 ?	136 ?	39	4	0	0	0	0	0	0	617 ?
22	0	0	0	0	0	0	13	36 ?	199 ?	237	229 ?	261 ?	274	228 ?	178 ?	103 ?	43 ?	2	0	0	0	0	0	0	1803 ?
23	0	0	0	0	0	0	23	73 ?	?	?	192 ?	250 ?	223 ?	208 ?	177 ?	?	48 ?	8	0	0	0	0	0	0	1202 ?
24	0	0	0	0	0	0	13	27 ?	?	?	?	?	?	?	?	?	103	10	0	0	0	0	0	0	153 ?
25	0	0	0	0	0	0	14	72 ?	149	223	186	127	114	81	50	30	16	1	0	0	0	0	0	0	1062
26	0	0	0	0	0	0	6	26	49	77	129	99	93	116	225	111	36	2	0	0	0	0	0	0	971
27	0	0	0	0	0	0	4	19	49	109	145	248	200	235	94	67	14	0	0	0	0	0	0	0	1185
28	0	0	0	0	0	0	6	29	52	95	241	269	111	80	55	24	9	0	0	0	0	0	0	0	972
29	0	0	0	0	0	0	6	17	104	102 ?	?	?	?	490 ?	295 ?	84 ?	70	3	0	0	0	0	0	0	1172 ?
30	0	0	0	0	0	0	17	38 ?	?	?	?	?	?	?	?	?	16 ?	3	0	0	0	0	0	0	74 ?
31	0	0	0	0	0	0	13	25 ?	?	?	?	?	?	?	?	?	23	0	0	0	0	0	0	0	61 ?
Avg	0	0	0	0	0	0	17	57	128	171	210	218	186	195	150	96	41	8	0	0	0	0	0	0	1025 ?
S D	0	0	0	0	0	0	7	34	64	80	98	100	107	106	67	48	25	7	0	0	0	0	0	0	734
S/A	0	0	0	0	0	0	0.44	0.59	0.5	0.47	0.47	0.46	0.58	0.55	0.45	0.49	0.6	0.89	0	0	0	0	0	0	0.72
Min	0	0	0	0	0	0	4	17	40	54	65	70	56	80	50	24	9	0	0	0	0	0	0	0	43
Max	0	0	0	0	0	0	34	136	230	302	412	404	406	490	295	198	103	24	0	0	0	0	0	0	2347
n	0	0	0	0	0	0	282	245	220	218	217	220	220	214	218	212	310	153	0	0	0	0	0	0	2738

Daylight Data Recovery: 0.0% missing; 34.4% exceed the 15% QC threshold -- 4172 total daylight measurements.

Instrument: Eppley PSP    Serial Number: 25819F3    Calibration Factor: 9.070 μV/W/m<sup>2</sup>    Calibration Date: 05/1998

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

**October 2003**

**Dry Bulb Temperature (Tower)**  
**Hourly and Daily Averages**  
**Instrument: CSI HMP-35C**  
**Degrees Celsius**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	13.6	13.4	12.9	12.6	12.4	11.5	12.4	15.1	18.8	19.5	19.1	19.1	19.9	20.7	20.9	20.6	19.5	18.5	17.8	17.5	17.6	17.3	16.2	15.5	16.8
2	15.4	15.3	15.1	14.2	13.5	13.1	13	13.5	15.1	16.7	17.4	17.7	18.1	18.7	19.1	19.4	18.9	17.1	15.8	14	12.7	11.9	11.1	10.9	15.3
3	10.3	9.6	8.8	8.5	8.3	8.1	8.4	10.9	13	14.6	16	16.8	17.3	17.4	17.4	17.2	16.6	15.5	14.4	13.9	14.1	13.5	12.3	12.1	13.1
4	13	13.2	13.7	13.6	13.7	13.6	14	15	17	18.1	18.9	20.8	22.2	23	23.4	23.5	23.1	21.7	20.3	19.4	18.6	18.4	17.6	17.3	18
5	16.5	15.9	15.2	14.6	14.3	14.4	14.2	14.7	16.4	18.7	19.5	20.1	20.7	21.1	20.8	20	19.5	18.2	17.4	16.9	16.5	15.9	16.1	16	17.2
6	15.2	15.3	15.2	15	14.9	14.1	14.1	16.4	18.8	20.5	21.5	22.5	23.5	23.7	24.2	24.3	23.8	21.2	19.5	18.8	18.1	17.7	16.7	15.9	18.8
7	15.5	14.7	14.8	14.7	14.5	14.3	15.1	15.8	19	22	23.3	24.8	24.8	25.3	26	24.7	22.7	21.8	20.8	20.2	19.6	19	18.6	17.8	19.6
8	17.7	16.9	16.1	16.3	16.4	16.3	16.6	18.1	20	22.4	24	24.1	23.6	23.5	23.7	23.3	22.3	21.6	21.1	20.8	20.7	20.5	20.3	20.1	20.3
9	19.9	20.3	20.6	20.5	20.2	19.8	19.7	20.4	20.2	20.7	22	22.6	23	23.3	23.2	23.2	22.1	21.4	21	20.5	20.1	19.9	19.8	19.8	21
10	20.1	20.3	20.5	20.6	20.6	20.7	20.7	20.8	20.6	20.6	20.5	20.6	20.9	21	21	21.1	20.8	20.7	20.6	20.2	20.1	19.9	19.9	19.7	20.5
11	18.9	18.1	17.8	18.1	17.9	17.8	17.9	18.2	18.3	18.6	18.5	17.9	17.9	18.2	18.7	18.6	18.2	17.3	17.1	16.9	16.8	16.9	17	17.1	17.9
12	17.1	16.9	16.7	16.5	16.4	16.3	16.4	17.1	18.2	19.6	21.8	23.4	24.3	25	25.5	25.6	25	23.4	21.6	20.6	20.1	19.8	19.3	18.9	20.2
13	18.6	18.6	18.1	18.1	17.7	17.1	17.3	18.5	19.8	21	22.2	23.2	23.7	24.1	24.1	23.9	22.3	20.1	18.7	18.1	17.6	17.1	16.7	16	19.7
14	15.2	15.6	15.7	16	16.2	16.5	16.7	17.6	18.5	19.5	19.9	20.2	20	18.8	18.5	18.8	19.1	19.7	19.7	19.3	19.2	19.9	20.7	21.7	18.5
15	15.4	14.9	15	14.8	14.3	13.9	13.7	14.4	15.7	17.1	18	19	19.9	20.4	21	20.7	20	18.4	16.8	15.5	14.7	13.8	13.2	12.3	16.4
16	11.1	10.6	10.2	8.6	7.2	6.8	6.7	10.1	14.8	18.1	18.9	19.4	19.8	20.5	21.1	21	20.4	18.8	16.6	15.2	14.8	14.3	14.3	13.9	14.7
17	13.7	13.2	12.8	12.6	12.7	12.4	12.1	13.3	16.2	18.8	20.5	21.4	22.1	22.5	22.7	22.7	22.2	20.4	19.3	18.7	18.1	18	18.2	17.6	17.6
18	15.8	15.2	15	14.7	14.3	13.7	12.9	12.7	13.5	14.8	15.3	15.2	15.8	16.1	16	15.7	15.1	14	12.9	12.2	11.8	11.1	10.1	9.3	13.9
19	8.4	7.9	7.4	7.6	7.5	7	7.6	9.7	13.1	15.8	17.2	18.2	18.9	19.9	20.6	21.1	21.1	19.5	17.7	16.8	15.2	15.8	15	14.6	14.3
20	14.5	13.9	13.7	13.1	13	12.5	13.2	15	17.6	19.1	20.2	21.1	21.7	22.2	22.5	22.1	20.3	18.7	17.9	17.7	17	16.8	16.8	16.7	17.4
21	16.7	16.6	16.4	15.9	15.3	15.4	15.5	16.9	19.2	20.7	21.7	23.1	24	24.7	25.1	24.9	24.1	22.8	21.5	20.9	20.3	19.9	19.7	19.5	20
22	18.7	18	18.1	18.1	17.5	17.1	15.9	15.9	17.1	16.9	17.8	18.4	18.5	18.6	18.7	17.6	17.6	16.2	15.4	15	14.4	13.6	12.6	11.5	16.6
23	10.5	9.5	8.8	7.8	6	4.9	4.7	6.5	8.7	10.4	11.2	12.7	12.4	12.9	13.7	14.1	13.6	12.3	10.8	9.4	9	7.5	7.8	8.1	9.7
24	8.3	8	7.4	7.3	7	6.3	6.2	7.7	9.5	10.7	11.9	13.1	14.1	14.6	14.1	13.3	12.4	11	10.3	9.9	9.7	9.9	9.8	9.5	10.1
25	8.8	8.3	8.5	8.4	9.5	10.8	11.6	13.1	15	17.3	18.3	18.8	19.1	19	18.7	18.4	18.5	18.1	17.7	17.2	17.2	17.2	17.3	17.3	15.2
26	17.3	17.1	17.2	17.2	16.9	16.8	16.9	17.1	17.5	18	18.7	19	19	19.4	20.4	20.6	20	19.4	19	18.9	19	18.8	18.7	18.6	18.4
27	18.1	18	19	19.4	18.9	18.8	18.7	18.8	19.1	19.8	20.5	21.3	21.9	22.6	22.3	22.1	21.7	21.1	20.7	20.4	20.3	17.2	15.8	15.6	19.7
28	15.4	15	13.7	12.9	13	13	13.1	13.8	14.7	15.4	16.2	17.3	17.6	17	16.5	15.8	15.6	15.4	15.3	15.5	15.5	15.9	16.2	16.4	15.3
29	17.1	14.8	14.4	14.3	13.1	11.6	10.7	11.3	12.1	13.4	14.9	15.8	16.9	18.1	19	19.3	18.7	17.3	15.9	14.7	14.4	14	12.9	12.1	14.9
30	11	11.1	10.5	10.2	10.3	9.9	10.3	12	14.8	17.3	19.1	19.9	20.7	20.7	21	20.3	18.9	17.1	15.9	15.2	14.8	14.2	13.1	12.6	15
31	12.2	12.2	11.8	11.8	11.5	11.4	11.1	12.3	15.9	18.7	20.2	21.3	22.3	22.5	22.4	22.1	21.5	19.3	18.3	17.1	16.2	15.9	15.2	14.6	16.6
Avg	14.8	14.5	14.2	14	13.7	13.4	13.5	14.6	16.4	17.9	18.9	19.6	20.1	20.5	20.7	20.5	19.9	18.6	17.7	17	16.6	16.2	15.8	15.5	16.9
S D	3.4	3.5	3.6	3.8	3.9	4	4	3.5	3	2.9	3	3	3.1	3.1	3.1	3.2	3	2.9	2.9	3.1	3.1	3.2	3.4	3.5	2.9
S/A	0.23	0.24	0.26	0.27	0.28	0.3	0.3	0.24	0.18	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.17	0.18	0.19	0.2	0.21	0.23	0.17
Min	8.3	7.9	7.4	7.3	6	4.9	4.7	6.5	8.7	10.4	11.2	12.7	12.4	12.9	13.7	13.3	12.4	11	10.3	9.4	9	7.5	7.8	8.1	9.7
Max	20.1	20.3	20.6	20.6	20.6	20.7	20.7	20.8	20.6	22.4	24	24.8	24.8	25.3	26	25.6	25	23.4	21.6	20.9	20.7	20.5	20.7	21.7	21
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C    Serial Number: P0520031    Calibration Factor: 1.00 deg C/mV    Calibration Date: 03/1988

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Relative Humidity (Tower)**  
**Hourly and Daily Averages**  
**Instrument: CSI HMP-35C**  
**Percent**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily	
1	92.8	96.1	99.6	102.5	102.9	101.5	96.4	89.2	68	52.7	54.5	55.6	55.7	54.1	54.4	58.3	67.1	71.3	74.7	75.8	75.2	78.5	85.2	93.4	77.3	
2	93.9	92.2	91.9	98.2	102.2	102	97	90.3	82.4	72.8	64.3	61.4	58.7	55.5	49.6	42.9	42.4	51.5	57.3	69	66.3	60.5	60.3	59.1	71.7	
3	58.1	60.4	65.2	69.7	72.6	77	80	69	64.1	62	56.3	52.5	50.9	51.1	52.6	54.3	56.9	64.3	73	79.1	82.1	86.9	92.1	91.3	67.6	
4	87.3	89.6	88.8	90.3	90.6	92.9	93.4	89.8	81.3	70.2	66.5	56.3	49.8	49	47	46.2	50.3	58.8	63.3	66.9	70.7	73.3	78.5	81.7	72.2	
5	86.2	90.2	94	93.3	89.4	85.6	85.3	83	77.5	70.3	64.7	61.4	58.8	58	60.5	63.9	66.6	71.2	74.2	77.4	81.5	85	83.9	84	76.9	
6	89	91.3	92.3	93.4	95.6	99.7	100.8	94.8	87.1	74	64	60.8	53.3	53.1	51.7	51.3	53.5	69.1	78.5	81.9	86	88.4	95.2	98.5	79.3	
7	100.3	102.7	102.2	102.5	103.3	104.5	105 ?	104.7	98.5	78.3	65.4	58.4	55.9	54.4	51.4	60	75.8	76.5	80.4	84.6	91.2	97.4	99.5	101.5	85.6	
8	102.6	104.5	?	?	104.7 ?	103.7	100.7	98.6	96.4	86	67.9	73.4	81.7	81	78.6	81.5	84.6	91.3	96.8	100.7	100.5	100.6	101.7	101.9	92.7 ?	
9	102.8	102.1	100.3	101	100.8	100.4	99.7	97.1	99.5	99.4	90.7	86.3	82.7	78	74.4	75.9	85.3	91.1	92.8	94.1	92.9	92	93.9	96.5	92.9	
10	97.9	98.9	98.2	97.7	97.9	98.6	99.8	100.4	102.3	103.4	103.6	103.2	102.6	102.3	101.4	100.4	100.8	100.1	98.6	97.6	96.5	96.6	97.6	98.1	99.8	
11	101.7	103	102.3	99	98.8	98.9	98.8	98.5	98.6	98	98.7	102.6	101.8	100.2	97.3	96.7	98	102.8	104	104.6	104.8	104.6	104.4	104.1	100.9	
12	104.5	104.9	105 ?	104.9	104.6	103.6	102.7	99.8	95.7	88.8	73	57.9	55.9	54.3	53.3	54.4	58.7	66.9	74.6	79.9	83.4	86.8	90.5	92.9	83.2	
13	94.6	94.8	96.9	97.1	99	101	101.1	96.6	82.4	69.6	57	53.5	50.7	50.8	50.7	51.6	65.6	78.7	83.6	85.2	86.5	90	95.7	97.1	80.4	
14	100.5	102	103.7	103.1	100.6	99.3	98.4	96.3	93.1	88.1	85.9	86	85.9	97.8	102.1	104.3	104.8 ?	104.4	102.7	99.8	103.4	?	104.8 ?	103.1	98.7 ?	
15	98.5	96.7	95.4	90.3	85.3	83.2	81.3	78	72	65.2	60.9	54	51.1	46.5	41.4	40.1	38.8	43.7	49.2	53.4	56.7	60	63.1	68	65.5	
16	74.8	79.5	82.5	90.8	97.9	97.9	98.1	86.1	70.8	41.2	34.8	34.4	35	35	35.1	36.8	39.9	47.3	59.9	66.4	71.8	86.3	93.2	97.8	66.4	
17	93.6	88.2	87.2	88.1	88.5	91	92.8	90.2	79.8	67.1	57.2	53.2	48.6	46.6	44.9	44.1	46.5	56	62.1	72.8	81.8	86.2	85.9	85.8	72.4	
18	94.3	96.7	97.8	101.3	100.2	98.4	98.6	95.8	87.6	75.6	76.5	74.9	69.8	64.4	60.8	58.1	53.7	62.9	74.6	79.1	82.1	84.9	89.4	93.5	82.1	
19	96.7	99.5	101.3	99.5	97.8	99.3	97.6	90.8	76.1	60	53.7	52.9	52	50.7	50.4	49.5	50	57.3	65.3	69.8	85.6	80.7	89	92.5	75.7	
20	92.3	96	93.8	97	97.4	101.4	98.5	89.9	74.1	67.3	60.3	58.8	58	58.6	58.2	61.7	68.9	78.3	83.6	80.1	86	89.3	92.9	95.6	80.8	
21	94.6	94.7	93.8	94.7	94.4	93.5	87.8	79	67.2	68.7	70.1	64.4	60.4	56.6	55.8	56.7	61.2	66.4	72.1	76.8	81.3	84.6	86.2	86.3	77	
22	92.5	96.3	92.7	84.9	82.8	75	77.8	79.9	75.2	72.2	58.5	51.5	50.4	48.4	46.4	56.5	55.4	57.1	56	51.5	52.5	57.9	60.4	63.8	66.5	
23	68.7	69.3	62.8	64.4	76.2	81.8	80.4	72	65	57.2	53.4	47.2	49.9	48.9	47.4	47.7	49.6	56.9	67.9	76.9	82.1	89.1	87.1	78.8	65.9	
24	73.7	72.7	72	67	68.5	70.8	73.1	70.6	60.5	52.6	50.5	48.4	48.7	49.2	51.5	55.6	60.6	68.5	73.9	79.5	82.4	82.7	85.5	89.2	67	
25	94.1	99.1	99.3	99	95.6	92	91.9	88.8	87.1	84.2	82.5	82.6	82.8	84.5	88.4	92.6	91.5	95.2	98.8	104.1	104.9 ?	?	105 ?	104.7	93.4	
26	104.8 ?	?	?	?	?	?	?	?	?	?	?	104.6	102.6	101.9	100.6	97.8	96.5	99.1	98.4	99.1	98.4	96.8	96	95.6	94.5	99.1 ?
27	95.5	94.8	90.3	89.4	92.8	95	97.3	98.9	100.9	100.6	100.3	99.6	98	95.5	96.6	97.4	98.2	101.4	104.2	105	105 ?	100.2	100.9	103.5	98.4	
28	104	103.2	101.8	98.6	96.4	95.6	96.9	97.5	93.9	93.6	91.2	88.8	91.4	97.2	101.5	103.9	104.9	105 ?	?	?	?	?	?	?	98.1 ?	
29	?	?	?	?	?	?	104.8 ?	104.2	102.6	99.2	92.3	85.5	81.1	75.8	69.6	65.8	68	70.1	72.6	76.3	70.2	64.7	68.9	70.6	80.1 ?	
30	77.3	76.8	84.4	89.6	92.6	94.5	89.1	80.1	70.7	65.7	48.4	40.2	36.4	36.1	38.9	45.5	55.5	65.3	79	86.9	92.5	96.6	100.1	101.3	72.6	
31	103.8	104.8 ?	104.9 ?	104	103.8	104.2	104.8	102.6	95.2	83	63	58.2	54.4	54	54.5	45.7	44	58.1	61.3	79.4	93.1	99.4	101.9	104.4	82.6	
Avg	92.4	93.1	92.9	93.3	94.3	94.6	94.3	90.4	83.5	75.6	70	66.7	65	64.1	63.4	64.4	67.6	73.7	77.8	81.8	84.9	85.7	89.6	91.1	81.4	
S D	11.5	11.3	11	10.7	9.4	9.2	8.6	10	13	16	18.1	19.3	19.9	20.6	21.1	21.2	20.9	18.4	15.7	14	13.4	12.6	12.6	12.4	11.7	
S/A	0.12	0.12	0.12	0.11	0.1	0.1	0.09	0.11	0.16	0.21	0.26	0.29	0.31	0.32	0.33	0.33	0.31	0.25	0.2	0.17	0.16	0.15	0.14	0.14	0.14	
Min	58.1	60.4	62.8	64.4	68.5	70.8	73.1	69	60.5	41.2	34.8	34.4	35	35	35.1	36.8	38.8	43.7	49.2	51.5	52.5	57.9	60.3	59.1	65.5	
Max	104.8	104.9	105	104.9	104.7	104.5	105	104.7	102.6	103.4	104.6	103.2	102.6	102.3	102.1	104.3	104.9	105	104.2	105	105	104.6	105	104.7	100.9	
n	354	338	324	336	342	346	342	360	360	360	372	372	372	372	372	372	367	362	360	360	345	334	345	359	8527	

Data Recovery: 0.0% missing; 4.5% failed QC -- 8928 total measurements.

Instrument: CSI HMP-35C    Serial Number: P0520031    Calibration Factor: 0.10 %/mV    Calibration Date: 01/1999

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Dry Bulb Temperature (CR10)**  
**Hourly and Daily Averages**  
**Instrument: CSI**  
**Degrees Celsius**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	11.2	10.6	10.3	10.2	10.2	10	9.6	11.4	15.5	20	21.3	21	21.7	23.4	24.5	24.3	23.4	20.8	18.3	17.1	16.9	16.8	16	15	16.6
2	14.6	14.5	14.4	13.8	13.1	12.6	12.3	12.7	13.8	16.3	19.2	20.6	21.4	21.4	21.7	21.9	21.7	20.1	17.3	15.3	13.4	11.9	10.7	9.7	16
3	9.1	8.5	7.7	7	6.5	6	5.8	7.8	11.4	14.6	17.2	19.5	21.1	21.8	21.3	21	20.2	18.4	15.3	13.2	12.3	12	11	9.9	13.3
4	9.9	11	11.8	12.3	12.7	13	13.1	13.6	15.3	17.6	19.1	21.1	22.9	24.4	25.1	25.3	25.1	23.8	21.3	19.3	17.9	16.8	16.4	16	17.7
5	15.5	14.8	14.4	14	13.7	13.8	13.4	13.5	14.9	18.1	20.5	21.9	24	24.2	24.9	23.6	22.3	20.4	18	16.5	15.8	14.9	14.1	14	17.5
6	13.7	13.4	13.5	13.1	12.7	12.4	12.3	13.5	16.9	20.4	23.1	24.6	25.9	26.7	26.3	26.7	26.2	24.3	21.7	19.8	18.2	17	16.1	14.9	18.9
7	14.2	13.8	13.6	13.7	13.6	13.3	13.5	14.2	16.2	19.9	23.5	26.4	28.3	29.1	29.5	29.5	26.7	23.9	21.8	20.2	19.2	18.3	17.5	16.9	19.9
8	16.3	16	15.5	15.4	15.6	15.5	15.3	16	17.9	21.1	24.2	25.8	26.4	26.3	26.1	25.4	24.4	23.1	22	21.3	20.8	20.4	20.1	19.7	20.4
9	19.6	19.6	19.9	19.9	19.8	19.4	19.1	19.5	20.3	20.2	21.3	23.5	24.3	25.2	25.2	24.9	24.4	22.9	21.8	20.9	20.2	19.6	19.3	19.2	21.2
10	19.3	19.8	20.1	20.3	20.5	20.5	20.6	20.5	20.4	20.4	20.5	20.5	20.6	20.7	20.8	20.8	21	21	21	20.7	20.4	20.2	20	20	20.5
11	19.6	18.9	18.3	18	18	17.9	17.9	18.1	18.5	18.8	19	18.8	18.3	18.3	18.7	19.2	19.1	18.5	17.7	17.3	17.1	17	17	17	18.2
12	17.1	17.2	17.1	16.9	16.7	16.5	16.3	16.7	18.2	20.3	22.8	25.2	26.8	27.6	28	28.1	27.6	25.9	22.7	20.6	19.4	18.8	18.5	18.1	21
13	17.8	17.7	17.9	17.7	17.2	16.6	16.2	17.1	19.3	21.5	23.6	25.5	26.9	27.6	27.7	27.4	26.4	23.4	20.1	18.2	16.7	15.8	15	14.5	20.3
14	14	13.7	13.9	14.2	14.4	14.6	14.9	15.5	16.8	18.4	19.3	19.7	19.7	19.1	18.6	18.6	18.7	19.1	19.3	19.2	18.9	19.2	19.7	20.5	17.5
15	19.3	16	14.5	14.1	13.9	13.4	13.1	13.8	15.5	17.4	19.2	20.6	21.6	22.2	22.5	22	20.4	17.6	15.4	13.6	12.4	11.6	10.9	16.8	
16	9.7	8.5	8	7.2	5.9	5	4.4	6.1	10.9	16.3	20	21.9	22.7	22.8	23	23.1	22.5	20.8	17.6	14.4	12.8	12.1	11.6	11.7	14.1
17	11.6	11.4	10.7	10.4	10.3	10.5	10.4	11.4	14.4	17.8	20.9	23	24.3	25	25	24.8	24.2	22.1	19.6	18.5	17.8	17.5	17.5	17.5	17.4
18	17	16.1	15.5	15.1	14.8	14.4	13.7	12.8	13.2	15	17	18	18.5	19.1	18.9	18.5	17.7	15.9	13.3	11.6	10.4	9.3	8.3	7.3	14.6
19	6.7	6.2	5.5	5.3	5.4	5.3	5.2	6.6	10.3	14.6	17.7	19.7	21	21.8	22.3	22.5	22.5	21.1	17.9	15.5	14	13.1	13.1	12.8	13.6
20	12.7	12.5	12.2	11.7	11.2	10.8	10.7	11.8	15.1	18.6	21.3	23.3	24.7	25.4	25.4	24.9	23.5	21.2	18.6	17.3	16.5	15.9	15.4	15.2	17.3
21	15.1	15.1	15	14.8	14.3	13.9	13.9	15	17.6	20.2	21.9	23.4	24.8	25.9	26.4	26.4	25.4	24	22.2	21	20.3	19.8	19.5	19	19.8
22	18.2	17.5	16.9	17	16.9	16.4	15.6	15.4	17	18.3	19.1	20.3	20.6	20.7	20.3	19.8	18.9	17.5	15.8	14.7	14.1	13.6	13	11.8	17.1
23	10.5	9.2	8	6.8	5.4	4	3	4.2	6.9	10.4	12.6	14.2	15.3	15	15.1	15.6	15.6	13.6	10.5	7.9	6.3	5.1	4.8	5	9.4
24	5.7	6.1	5.9	5.3	5.2	4.7	4.2	5.3	8.2	11	13.4	15.3	16.9	17.9	18.1	17.2	15.8	13.4	10.6	9	8.1	7.5	7.3	7	10
25	6.6	6.2	6.3	6.6	7.1	8.6	9.7	11	13.3	15.9	18.1	19.2	19.7	19.8	19.7	19	18.7	18.5	18	17.6	17.4	17.3	17.3	17.3	14.5
26	17.3	17.3	17.3	17.3	17.3	17.2	17.1	17.2	17.4	17.8	18.3	18.8	19	19.1	19.7	21.2	21.3	20.5	19.6	19	18.5	18.2	18.1	17.9	18.4
27	17.5	17	17.3	18.1	18.5	18.5	18.3	18	18	18.5	19.4	20.8	22.1	23.2	23.6	23.1	22.6	21.6	21	20.6	20.4	19.7	17.1	16	19.6
28	15.6	15.3	14.7	13.5	12.6	12.7	13	13.3	14	14.9	16	17.7	18.8	18.5	17.6	16.7	16.1	15.8	15.6	15.6	15.6	15.7	16	16.3	15.5
29	16.6	16.6	15.5	15	14.5	13.5	12.1	11.4	11.5	12.6	15.5	17.8	18.7	19.7	20.3	20.7	20.1	18.5	16.2	14	12.5	12	11.3	10.3	15.3
30	9.4	8.7	8.5	7.7	7.2	7.3	7.3	8.6	12.2	16.3	19.9	22.2	23.6	24.3	24.3	23.8	22.5	19.7	16.6	14.6	13.3	12.5	11.6	10.9	14.7
31	10.4	10.4	10.5	10.3	10.1	9.9	9.8	10.4	13	17	20.7	23.2	25	25.9	25.8	24.9	23.7	21.2	18	16.6	15.3	14.5	14	13.4	16.4
Avg	13.9	13.5	13.2	13	12.8	12.5	12.3	13	15	17.4	19.5	21.1	22.1	22.7	22.8	22.6	21.9	20.4	18.3	16.9	15.9	15.3	14.8	14.4	16.9
S/D	4.1	4.1	4.2	4.3	4.5	4.5	4.6	4.2	3.4	2.8	2.8	2.9	3.2	3.4	3.5	3.5	3.3	3	3.1	3.4	3.7	3.8	3.9	4.1	3
S/A	0.3	0.3	0.31	0.33	0.35	0.36	0.37	0.32	0.22	0.16	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.17	0.2	0.23	0.25	0.27	0.28	0.18
Min	5.7	6.1	5.5	5.3	5.2	4	3	4.2	6.9	10.4	12.6	14.2	15.3	15	15.1	15.6	15.6	13.4	10.5	7.9	6.3	5.1	4.8	5	9.4
Max	19.6	19.8	20.1	20.3	20.5	20.5	20.6	20.5	20.4	21.5	24.2	26.4	28.3	29.1	29.5	29.5	27.6	25.9	22.7	21.3	20.8	20.4	20.1	20.5	21.2
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: CSI    Serial Number: Internal Temp    Calibration Factor: N/A    Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Wind Speed**  
**Hourly and Daily Averages**  
**Instrument: NRG MAX-40**  
**Meters per Second**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0	0	0.1	0.1	0.2	0.1	0.3	0.6	1.4	1.2	1.3	1.4	1.5	1.3	2	2.1	1.5	1.3	0.6	0.5	0.3	0	0.3	0.8
2	0.8	0.9	0.9	1.4	1.2	1.4	2.1	2.1	2.1	2.8	3.2	2.7	2.4	2.5	2.7	2.6	2.8	2.7	3.1	4.2	3.8	3	2.6	3	2.4
3	2.4	2.3	2.2	1.7	1.5	1.4	1.1	2.6	2.8	2.8	2.7	2.2	2.2	2.3	2.8	2.8	2.7	1.9	0.8	0.7	1	0.2	0.2	0.7	1.8
4	0.5	0.3	0.3	0.9	1	0.6	0.5	1	1.9	3	3.2	4.2	4.3	4.3	4.6	4.4	3.3	1.6	1.3	0.8	0.3	1	1.1	0.9	1.9
5	0.9	1.3	1.8	2.4	2.4	1.7	1.2	1.5	1.3	2.4	1.7	1.7	1.3	1.9	3	3	2.9	1.6	1.2	0.9	0.7	0.3	1	0.9	1.6
6	0.7	0.8	0.4	0.7	0.4	0.1	0.1	0.5	1.8	2.3	3.1	2.2	2.6	2.8	2.7	2.4	1.4	2.1	1.6	1.3	1	1	0	0.2	1.3
7	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.1	0.2	0.9	0.6	1.2	1.5	1.9	1	2	2.6	1.9	1.2	1.3	1.1	0.6	0.7	0	0.8
8	0.1	0	0.3	0.6	0.3	0.7	0.3	1.3	2.1	2.7	3.4	3.8	4.1	3.3	2.3	2.4	2.4	1.5	1.4	1.1	1.1	0.7	0.5	0.1	1.5
9	0.9	1.7	1.7	1.8	2.2	0.8	0.7	1.4	3.5	2.3	2.9	3.4	3.8	4.7	3.6	3.6	4.1	3.3	3.1	2.7	2.4	2.8	2.8	3	2.6
10	3.6	3.7	3.9	3.8	4.4	4.2	3.9	4.2	4.2	3.8	4.2	4.4	4.2	4.1	4.8	4.7	4.5	4.5	4.7	4.4	4.1	4	3.6	3.6	4.2
11	3.5	4	3.6	3.8	4.4	4.1	3.8	3.8	3.6	3.7	3.4	2.7	2.7	3.6	3.8	4.1	3.2	2	1.6	1.4	1.4	0.5	0.9	0.4	2.9
12	0.4	0.6	1	1	0.8	0.7	1	1.4	2.8	2.7	2.5	3.1	3	3.5	2.9	2.7	2.2	1	1	1.1	1.4	1.3	1.3	1.7	1.7
13	1.2	1.2	0.6	1	0.9	0.8	2	2.4	3.6	3.4	2.9	2.8	2.7	2.1	2.4	1.9	2.6	2	1.6	0.6	0.7	0.1	0.2	0	1.7
14	0	0.1	0	0.3	0.3	0.7	0.5	1.8	2.3	2.9	2.9	3	2.4	1.5	2.4	3.8	4.5	5.4	4.8	4.7	4	2.7	3.1	5	2.5
15	5.4	3.5	4.2	5.1	5	4.8	4.5	4.9	5.7	4.9	5.1	5.4	4.9	5.3	4.8	4.6	3.5	2.7	2.2	1.1	1.4	1.4	1.8	1.2	3.9
16	0.7	1.1	0.8	0.2	0.5	0.1	0.2	0.1	0	0.9	1.9	2.7	3.4	3.4	3	3.2	3	1.6	0.3	0.5	0.7	0.7	1.2	1.1	1.3
17	1.6	1	0.9	1	1.4	1.1	1.1	1.4	2.2	2.4	3.4	3.3	3.4	3.7	4	3.1	1.6	0.3	0.8	1.7	1.9	1.1	0.9	2.3	1.9
18	3.2	1.7	2	2.8	3.9	3.9	3.7	3.8	4.2	5	4.9	5.3	3.8	4.7	4.3	4.1	3.6	1.6	1.5	0.9	0.3	0.1	0.1	0.3	2.9
19	0.3	0	0.2	0.6	0.8	0.8	0.2	0.5	1.4	2.8	3.7	3.6	4.1	3.8	3.7	3.1	1.9	0.3	0	0.3	0.2	1.2	1.1	1.5	1.5
20	1.6	1.5	0.9	1	0.4	0.4	0.5	0.7	1.9	2.8	2.7	2.5	1.9	2.3	2.4	3	3.3	2.1	1.8	2.3	2.1	1.6	2	1.9	1.8
21	2.3	2	2.1	1.8	1.9	2.3	2.4	2.6	3.9	4.8	6.1	7.6	9	8	6.7	5.6	3.7	2.3	2	2.2	2.2	2.3	2.5	2.6	3.7
22	1	0.4	2	1.6	0.5	2.3	1.5	1.6	3.1	3.4	3.6	3.7	3.7	3.2	2.9	3.1	2	2	2.1	2.3	3.1	2.9	3.8	3.2	2.5
23	2.5	2.2	2	1.1	0.9	0.9	1.5	1.4	1.3	2.3	2.4	2.7	3	2.6	2.2	2.3	1.5	0.1	0	0	0	0.2	0.5	2.1	1.5
24	2.4	2.5	1.5	1.9	1.6	1.5	1.6	2	2.8	3	2.9	2.7	2	1.7	2.4	3.1	3.2	2.7	2.3	1.6	1.5	1.2	0.9	0.6	2.1
25	0.1	0.4	0.8	0.9	1.2	1.4	1.3	1.6	1.7	2.6	2.4	2	2.6	2	1.6	1.3	2.4	2.1	2.2	2.9	2.3	1.8	1.6	0.6	1.7
26	0.3	0	0.1	0.4	0.3	0	0	0	0	0.4	1.2	2.1	1.3	0.1	0.8	1.2	1.2	1.2	1.2	1	0.5	1.2	1.9	1.3	0.7
27	0.4	1.3	2.8	3.1	1.8	1.6	2.1	2	3.1	4.1	3.6	3.5	3	3.1	2.4	2.8	2.3	2.4	2.1	1.9	0.7	2.9	1.1	1	2.3
28	2.1	2.4	3.3	2	1.5	1.6	1	0.7	2.2	2.7	3.4	3.1	2.3	1.5	1.6	1.7	1.5	1	1.3	0.8	1.1	0.7	0.3	0.3	1.7
29	1.2	1.1	0.3	1.5	2.8	4	3.5	1.9	0.2	2	2.7	4	3.8	4.6	5.1	3.9	2.3	1.8	0.9	0.7	1.8	1.1	0.7	0.9	2.2
30	0.6	1.3	0.2	0	0.1	0.3	0.1	0.1	0.3	0.6	1.7	1.9	1.4	1.6	1.2	1.9	2	1	1.1	0.3	0.5	0.1	0	0	0.8
31	0	0.1	0.2	0.1	0	0.2	0	0	0	1.2	1.4	1.3	1.5	2	2.4	1.8	1	0.3	1.3	1	0.9	0.6	0.2	0	0.7
Avg	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.6	2.2	2.7	2.9	3.1	3	3	3	3	2.6	1.9	1.7	1.5	1.4	1.3	1.3	1.3	2
SD	1.3	1.1	1.2	1.2	1.4	1.4	1.3	1.3	1.4	1.2	1.2	1.3	1.5	1.5	1.3	1.1	0.9	1.1	1.1	1.2	1.1	1	1.1	1.3	0.9
S/A	1	0.87	0.93	0.85	0.95	0.95	0.94	0.8	0.67	0.44	0.4	0.43	0.5	0.5	0.45	0.36	0.35	0.6	0.66	0.78	0.77	0.81	0.87	0.96	0.45
Min	0	0	0	0	0	0	0	0	0	0.4	0.6	1.2	1.3	0.1	0.8	1.2	1	0.1	0	0	0	0.1	0	0	0.7
Max	5.4	4	4.2	5.1	5	4.8	4.5	4.9	5.7	5	6.1	7.6	9	8	6.7	5.6	4.5	5.4	4.8	4.7	4.1	4	3.8	5	4.2
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Wind Direction**  
**Hourly and Daily Averages**  
**Instrument: NRG Vane**  
**Degrees from North**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	53	333	319	323	313	309	327	348	25	42	32	7	17	53	88	77	72	68	52	64	56	87	285	278	50
2	282	321	323	327	315	317	326	328	332	329	328	334	346	318	302	308	339	4	354	357	355	353	348	347	336
3	335	331	323	320	329	329	334	1	4	28	57	71	69	93	89	95	113	132	123	114	110	127	182	164	43
4	180	209	246	264	249	189	197	203	214	226	235	230	233	213	221	224	225	225	231	227	242	228	227	237	225
5	229	292	7	15	13	14	5	359	26	67	72	95	99	119	107	125	112	97	85	89	107	150	148	143	74
6	164	168	163	164	166	197	192	203	213	223	240	246	264	261	268	257	291	29	38	49	37	61	0	336	252
7	62	209	356	337	349	360	359	26	95	83	97	293	231	214	223	111	109	122	135	139	124	117	133	0	136
8	31	0	350	25	18	26	33	43	64	69	78	90	92	101	98	82	62	57	57	57	53	51	64	34	74
9	49	60	53	67	70	56	33	69	87	66	64	67	65	67	58	58	57	56	41	43	35	34	37	32	56
10	38	38	39	50	48	46	47	46	50	48	37	40	37	39	36	40	35	35	33	27	24	19	9	9	36
11	13	3	356	358	353	358	356	0	352	347	341	332	332	340	348	347	339	329	314	315	312	306	322	303	347
12	284	293	292	306	299	292	282	291	280	289	301	307	306	306	306	298	294	282	264	264	253	252	242	236	289
13	248	242	228	250	277	311	349	6	14	11	6	31	19	18	39	36	56	73	82	99	82	56	72	65	20
14	0	32	72	74	87	81	89	100	118	127	127	143	135	139	130	125	118	127	145	164	162	175	204	227	145
15	284	269	264	266	265	263	260	259	263	276	281	282	281	273	284	280	283	276	263	260	268	262	267	286	272
16	308	318	315	303	266	254	272	279	246	157	179	203	210	209	204	234	230	218	209	208	204	188	200	208	216
17	201	203	207	207	220	223	227	205	214	223	217	216	207	192	168	172	183	191	155	156	164	181	211	325	200
18	357	354	358	346	1	359	12	359	2	359	357	352	0	360	8	1	7	25	7	1	355	349	319	314	0
19	269	274	288	293	268	269	265	267	248	225	245	263	256	249	247	264	286	253	241	295	44	45	55	50	259
20	52	44	39	46	50	62	65	61	93	111	119	145	197	212	186	156	126	129	166	171	165	180	183	197	143
21	203	210	206	202	194	200	206	215	205	214	220	222	227	223	215	225	221	219	210	206	204	205	232	231	217
22	233	301	300	313	279	302	298	303	327	331	334	322	309	311	320	354	327	331	321	315	324	316	343	329	321
23	317	312	306	296	263	259	261	279	295	320	284	309	285	285	283	273	300	274	0	357	337	314	325	334	296
24	356	352	330	338	325	323	324	345	7	1	354	356	35	59	56	72	68	72	74	67	69	77	71	68	24
25	45	32	21	21	44	54	58	70	75	86	95	98	108	110	105	99	122	137	158	152	153	160	153	152	109
26	130	113	128	109	99	114	0	108	139	144	163	197	210	237	158	143	102	104	107	135	134	139	135	133	143
27	169	158	148	155	166	156	158	154	167	159	165	172	184	193	185	175	181	185	195	219	229	337	5	32	172
28	40	39	25	28	21	19	23	31	47	64	67	67	62	51	32	31	21	30	34	6	32	41	13	51	41
29	269	288	311	302	288	280	314	332	347	254	254	265	261	255	258	266	268	270	278	287	290	284	280	244	274
30	228	237	235	289	337	309	326	0	29	39	51	42	62	72	84	99	97	119	113	102	109	131	0	340	80
31	40	18	352	342	318	350	322	0	7	91	90	81	88	87	99	157	163	140	145	142	131	130	155	165	111
Avg	328	333	339	338	332	328	333	348	1	9	341	302	273	256	248	152	68	81	82	100	74	7	299	304	353
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: NRG Vane    Serial Number: 0    Calibration Factor: 0.1408 deg/mV    Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.



**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Peak Wind Speed (1-Minute Gust)**  
**Hourly and Daily Averages**  
**Instrument: NRG MAX-40**  
**Meters per Second**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	0	0.1	0.1	0.2	0.3	0.4	0.3	0.7	1.5	2.6	2.2	2.2	2.6	2.8	2.7	3.3	3.1	2.3	2	1.2	1.1	0.7	0.1	0.6	1.4
2	1.5	1.8	1.8	2.3	2.2	2.6	3.6	3.8	3.7	5	5.5	4.6	4.2	4.5	4.9	4.8	5.1	4.3	5.1	6.6	5.9	4.7	4.2	4.9	4.1
3	4	3.7	3.4	2.9	2.5	2.4	2.3	4.1	4.3	4.3	4.6	4.1	3.8	4	4.3	4.3	4.2	2.8	1.4	1.3	1.8	0.4	0.6	1.2	3
4	1.2	0.9	0.6	1.4	1.6	1.2	1.2	1.7	3.3	4.5	5	6.1	6.5	6.6	7	6.6	5	2.4	1.9	1.3	0.6	1.4	1.5	1.2	2.9
5	1.3	1.7	2.9	3.7	3.6	2.8	2	2.4	2.5	3.8	3	3.1	2.4	3.1	4.6	4.5	4.2	2.6	1.9	1.6	1.2	0.8	1.5	1.4	2.6
6	1.1	1.4	0.8	1	0.8	0.4	0.5	1.3	2.9	3.7	4.9	4.2	4.7	4.8	4.7	4.2	2.5	3.6	2.8	2.2	1.8	1.6	0	0.4	2.3
7	0.3	0.3	0.5	0.7	0.5	0.4	0.4	0.3	0.8	1.8	1.4	2.5	3.1	3.5	2.3	3.4	3.8	2.9	2.1	2	1.8	1	1.1	0	1.5
8	0.3	0	0.7	1.1	0.7	1.2	0.9	2.4	3.4	4.1	5.2	5.5	5.8	4.8	3.5	3.6	3.6	2.4	2.2	1.8	1.8	1.3	0.9	0.4	2.4
9	1.6	2.7	2.9	3	3.3	1.6	1.3	2.4	5.2	4	4.9	5.8	6.3	7.2	6.1	5.9	6.3	5.3	5.1	4.4	4.1	4.3	4.3	5	4.3
10	5.7	5.9	6.4	6.2	7.3	6.6	6.2	6.8	6.6	6.7	6.7	7.1	7	7.1	7.6	8.2	7.5	7.6	7.9	7.2	6.7	6.7	5.9	6	6.8
11	5.9	6.4	5.9	6.5	6.9	6	5.9	6.4	5.9	6.2	5.7	5.1	4.7	6	6.4	6.5	5.5	4	3.5	3.5	3.4	1.7	2.5	1.6	5.1
12	1.7	2.3	2.6	2.8	2.6	2.3	2.5	3.6	5.2	4.9	4.7	5.7	6	6.4	5.3	5.3	4.1	1.9	1.6	1.6	1.9	1.9	1.7	2.1	3.4
13	1.6	1.5	1	1.6	1.5	1.4	3	4.1	6	5.5	5	4.6	4.5	3.6	3.9	3.5	3.8	3.1	2.5	1.3	1.1	0.3	0.5	0.1	2.7
14	0	0.3	0.1	0.7	0.5	1	0.9	2.7	3.3	4.4	4.4	4.6	3.6	2.5	3.8	5.6	6.8	8.1	7.3	6.9	6.3	4.7	5.7	8.5	3.9
15	9.6	5.5	6.9	8	8.1	7.6	6.8	7.5	9.1	8.9	8.9	9.4	8.8	9.2	9	8.5	6.8	4.7	3.3	1.7	1.9	1.9	2.4	2.2	6.5
16	1.3	1.6	1.3	0.5	0.8	0.3	0.7	0.3	0.2	2	3.5	4.5	5.4	5.4	4.7	5.1	4.8	2.5	0.7	1	1.2	1.4	1.9	1.5	2.2
17	2.3	1.7	1.4	1.4	2	1.7	1.6	2.4	3.3	3.8	5.2	5.4	5.6	5.8	6.2	5	3	0.7	1.3	2.5	2.7	1.9	1.6	4.1	3
18	5.2	2.9	3.2	4.3	6.6	6.4	6.2	6.2	6.5	8.1	7.5	8	6.4	7	7.3	6.6	5.6	2.9	2.7	1.6	0.9	0.6	0.3	0.7	4.7
19	0.6	0.1	0.6	1.3	1.4	1.1	0.3	1.1	2.4	4.4	6	5.8	6.5	6.5	6	5.1	3.6	0.8	0.2	0.6	0.4	1.8	1.7	2.2	2.5
20	2.1	1.9	1.5	1.5	0.7	0.8	0.8	1.2	3.1	4.1	4.5	4.2	3.6	4.1	3.9	4.5	4.7	3	2.7	3.4	3.1	2.8	3.3	3.1	2.9
21	3.6	3.1	3.4	2.8	2.9	3.4	3.6	4.3	6.1	7.8	9.5	11.5	12.8	12.1	10.5	8.6	5.4	3.6	3.1	3.3	3.3	3.5	3.6	4	5.7
22	1.9	1	3.9	3	1.2	4.3	3.1	3.4	5.6	5.4	5.9	6.7	6.4	5.8	5.3	5	4.1	3.4	3.7	4.3	5.3	5.1	6.6	5.6	4.4
23	4.7	4.4	3.8	2.5	1.5	1.5	2.4	2.7	2.8	4.6	4.6	5.3	5.5	4.9	4.5	4.4	3	0.5	0	0.1	0	0.5	1.1	3.3	2.9
24	3.8	3.6	2.8	3.2	2.7	2.6	2.9	3.6	4.6	5.1	5	4.4	3.7	3.7	4.2	4.8	4.8	4	3.5	2.8	2.7	1.9	1.7	1	3.5
25	0.4	0.8	1.2	1.4	1.9	2.1	2	2.6	3	4	3.5	3.5	4.1	3.3	2.7	2.3	3.7	3.2	3.5	4.3	3.8	3.1	3	1.6	2.7
26	0.9	0.1	0.2	1.1	0.8	0.1	0	0.1	0.2	1	2.3	3.9	2.7	0.6	1.9	2.2	2	2.2	2.2	2	1.5	2.4	3.2	2.7	1.5
27	1.4	2.5	4.1	4.6	3	2.9	3.3	3.2	5.1	6.3	5.8	5.9	5.2	5.3	4.1	4.7	4	4.1	3.6	3.3	1.4	4.9	2.4	2.6	3.9
28	3.7	4.2	5.3	3.7	3.1	3.3	2.4	1.9	3.9	4.7	5.4	4.9	3.6	2.6	3	3	3	2.3	2.7	2.1	2.3	1.6	0.9	0.9	3.1
29	2.6	3	0.9	3.4	5.4	7.6	6.6	4.2	1.1	4	4.7	6.4	6.3	7	8	6.9	4.1	2.9	1.9	1.4	3.3	2.2	1.6	1.3	4
30	1	1.7	0.3	0	0.4	0.7	0.5	0.5	1.1	1.6	3.1	3.6	3	2.8	2.4	3	3.3	1.7	1.9	0.7	0.9	0.2	0	0.1	1.4
31	0.1	0.1	0.3	0.2	0.1	0.6	0.2	0	0.3	2.2	2.7	2.4	2.9	3.1	3.6	2.8	1.7	0.8	2	1.6	1.5	1.1	0.5	0.1	1.3
Avg	2.3	2.2	2.3	2.5	2.5	2.5	2.4	2.8	3.6	4.5	4.9	5.2	5.1	5	5	4.9	4.3	3.1	2.8	2.6	2.4	2.2	2.1	2.3	3.3
SD	2.2	1.8	2	1.9	2.2	2.2	2.1	2	2.2	1.8	1.8	2	2.1	2.3	2	1.7	1.4	1.7	1.7	1.8	1.7	1.7	1.8	2.1	1.4
S/A	0.95	0.82	0.86	0.78	0.89	0.88	0.85	0.71	0.59	0.41	0.36	0.38	0.42	0.45	0.41	0.35	0.32	0.55	0.63	0.71	0.75	0.83	0.91	0.43	
Min	0	0	0.1	0	0.1	0.1	0	0	0.2	1	1.4	2.2	2.4	0.6	1.9	2.2	1.7	0.5	0	0.1	0	0.2	0	0	1.3
Max	9.6	6.4	6.9	8	8.1	7.6	6.8	7.5	9.1	8.9	9.5	11.5	12.8	12.1	10.5	8.6	7.5	8.1	7.9	7.2	6.7	6.7	6.6	8.5	6.8
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: NRG MAX-40 Serial Number: 0 Calibration Factor: 0.76171 m/s/mV Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

Prepared by: Afshin M. Andreas, NREL

**Elizabeth City State University**  
**36.3 N Latitude 76.25 W Longitude 4 Meters AMSL Time Zone -5**

**October 2003**

**Station Pressure**  
**Hourly and Daily Averages**  
**Instrument: Viasala PTA-427**  
**Millibars**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1021	1021	1020	1020	1020	1020	1020	1020	1021	1021	1020	1020	1019	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1016	1019
2	1016	1016	1015	1015	1015	1016	1016	1016	1016	1017	1017	1017	1016	1016	1016	1016	1016	1017	1017	1018	1019	1020	1020	1020	1017
3	1020	1020	1020	1020	1020	1021	1021	1021	1022	1022	1021	1021	1020	1019	1018	1017	1017	1017	1017	1017	1016	1016	1016	1015	1019
4	1014	1014	1014	1014	1014	1013	1013	1014	1014	1014	1013	1012	1011	1011	1010	1010	1010	1010	1010	1011	1011	1012	1012	1012	1012
5	1012	1012	1012	1012	1013	1013	1014	1014	1015	1015	1016	1015	1015	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1014
6	1016	1015	1015	1015	1016	1016	1016	1017	1017	1017	1017	1017	1016	1015	1015	1015	1015	1015	1016	1016	1016	1017	1017	1017	1016
7	1017	1017	1017	1017	1018	1018	1018	1019	1020	1020	1020	1020	1019	1019	1019	1018	1018	1019	1019	1019	1020	1020	1020	1020	1019
8	1020	1020	1020	1020	1020	1020	1021	1022	1022	1022	1022	1022	1021	1021	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1021
9	1019	1019	1018	1018	1018	1019	1019	1020	1020	1020	1020	1020	1019	1018	1018	1018	1017	1017	1017	1017	1016	1016	1016	1016	1018
10	1015	1014	1013	1013	1013	1013	1013	1013	1013	1014	1014	1014	1013	1012	1012	1012	1012	1012	1012	1012	1013	1013	1013	1013	1013
11	1013	1013	1013	1013	1013	1013	1014	1014	1014	1014	1014	1014	1014	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013
12	1012	1012	1011	1011	1011	1011	1012	1012	1012	1012	1012	1011	1011	1011	1010	1010	1009	1009	1010	1010	1010	1011	1011	1011	1011
13	1011	1011	1011	1011	1011	1012	1012	1013	1014	1014	1014	1014	1013	1013	1012	1012	1012	1012	1012	1013	1013	1014	1014	1014	1013
14	1013	1013	1012	1012	1011	1011	1012	1011	1011	1010	1010	1009	1008	1007	1005	1004	1002	1001	1000	999	997	996	995	995	1006
15	997	997	998	999	1000	1001	1003	1004	1005	1006	1006	1006	1006	1006	1007	1007	1009	1010	1011	1012	1013	1013	1014	1015	1006
16	1016	1017	1017	1018	1018	1019	1019	1020	1021	1021	1020	1020	1019	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019
17	1019	1018	1018	1018	1018	1018	1019	1019	1019	1019	1019	1019	1018	1017	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1017
18	1014	1014	1014	1014	1014	1014	1015	1015	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1015	1015	1015	1015	1015	1015	1015
19	1015	1015	1014	1015	1015	1015	1015	1016	1016	1016	1016	1015	1014	1014	1013	1013	1014	1015	1015	1016	1016	1017	1017	1017	1015
20	1018	1018	1018	1018	1019	1019	1020	1021	1021	1021	1021	1021	1021	1020	1019	1019	1018	1018	1018	1017	1017	1017	1017	1016	1019
21	1015	1015	1014	1014	1013	1012	1012	1011	1010	1009	1008	1006	1004	1003	1002	1001	1001	1002	1002	1001	1001	1000	1000	999	1006
22	999	998	998	999	999	999	999	1000	1000	1000	1000	999	999	998	998	998	999	1000	1001	1001	1002	1003	1003	1003	1000
23	1003	1004	1004	1004	1004	1005	1006	1006	1007	1007	1006	1006	1006	1005	1005	1006	1006	1007	1008	1009	1010	1011	1012	1013	1007
24	1013	1014	1014	1015	1016	1017	1018	1020	1021	1021	1022	1022	1022	1022	1022	1022	1023	1024	1024	1025	1025	1026	1026	1026	1021
25	1026	1027	1026	1027	1027	1027	1027	1027	1027	1027	1027	1028	1027	1027	1026	1026	1026	1026	1026	1026	1026	1026	1026	1025	1026
26	1025	1025	1024	1024	1024	1024	1023	1023	1023	1023	1023	1022	1021	1020	1019	1018	1018	1018	1018	1018	1017	1017	1016	1015	1021
27	1014	1014	1013	1012	1012	1011	1011	1010	1010	1009	1009	1008	1007	1006	1006	1005	1005	1005	1006	1007	1008	1008	1008	1008	1009
28	1008	1009	1009	1009	1009	1010	1010	1010	1011	1011	1011	1010	1009	1008	1008	1007	1007	1007	1007	1006	1005	1004	1004	1002	1008
29	1001	1000	999	999	1000	1003	1003	1003	1004	1006	1007	1007	1006	1007	1008	1008	1009	1011	1012	1012	1013	1014	1014	1015	1007
30	1016	1016	1017	1018	1019	1020	1021	1022	1023	1024	1024	1024	1024	1024	1023	1024	1023	1024	1024	1024	1024	1025	1024	1024	1022
31	1024	1024	1024	1024	1024	1024	1025	1025	1026	1026	1026	1025	1025	1024	1024	1023	1023	1023	1023	1023	1023	1023	1023	1023	1024
Avg	1014	1014	1014	1014	1014	1015	1015	1016	1016	1016	1016	1015	1015	1014	1014	1014	1014	1014	1014	1014	1015	1015	1015	1014	1015
SD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	
S/A	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Min	997	997	998	999	999	999	999	1000	1000	1000	1000	999	999	998	998	998	999	1000	1000	999	997	996	995	995	1000
Max	1026	1027	1026	1027	1027	1027	1027	1027	1027	1027	1028	1027	1027	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	8928	

Data Recovery: 0.0% missing; 0.0% failed QC -- 8928 total measurements.

Instrument: Viasala PTA-427    Serial Number: 493926    Calibration Factor: 0.104 mBar/mV + 800 mBar    Calibration Date: 06/1995

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.